

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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CATEGORY: Air Sampling Smoke Detector

LISTEE: Kidde-Fenwal, Inc., 400 Main Street, Ashland, MA 01721
Contact: Terrill Garland (508) 881-2000

DESIGN: HSSD Kidde ORION 5, 10 and 20 (High Sensitivity Smoke Detection) System. This air sampling network provides high sensitivity smoke detection through a piping network which draws in air by a fan. Refer to listee's data sheet for additional detailed system description and operational considerations. Models listed below:

77-297001-000, 77-297002-000, 77-297003-000, 77-297004-000, 77-297005-000
and 77-297006-000

RATING: 120/240VAC Primary, 24 VDC Secondary

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.
The sampling points should be installed at a location where they will receive the products of combustion produced by a fire anywhere in the protected area. Consideration should be given to such features as normal ventilation and air conditioning, which would affect the sensitivity.

MARKING: Listee's name, product identification and UL label.

APPROVAL: Listed as an air sampling smoke detector system for use with any separately listed compatible control unit. Also suitable for open area protection with a maximum air transport time of no more than 60 seconds. Authority having jurisdiction should be consulted prior to installation.

09-18-98



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 12, 2002**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND, Senior Deputy**
Program Manager